



BIOACTIVE PEPTIDES

ADRENOCORTICOTROPIC HORMONE AND FRAGMENTS

The endocrine functions of the adrenal cortex are regulated by an anterior pituitary hormone, adrenocorticotrophic hormone (ACTH). ACTH and its fragments affect motivation, learning and behavior.

Ref.: Gispen, W.H. and DeWied, D., Peptides, Structure and Function, Proceedings of the Eighth American Peptide Symposium, Mundy, V.J. and Rich, D.H., eds., 399 (1983).

PRODUCT NUMBER	LA	PRODUCT NUMBER	LA	
ADRENOCORTICOTROPIC HORMONE (ACTH 1-39; Corticotropin A)		(Continuation of) ADRENOCORTICOTROPIC HORMONE FRAGMENTS		
A 5303 ECS	From Porcine Pituitary Approx. 90 I.U. per mg by RIA (our synthetic porcine ACTH as standard). Off-white to tan powder. Bioassay not run by Sigma. (7061-27-2)	100 I.U. 48000 250 I.U. 91000 1,000 I.U. 238000 5,000 I.U. 836000	A 2407 ECS Fragment 1-17 (Ser-Tyr-Ser-Met-Glu-His-Phe- Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys- Lys-Arg) Minimum 97% (HPLC) (7264-47-9) FW 2093.4	100 µg 38000 500 µg 118000 1 mg 197000
A 0423 ECS	Human (Ser-Tyr-Ser-Met-Glu-His-Phe- Arg-Trp-Gly-Lys-Pro-Val-Gly- Lys-Lys-Arg-Arg-Pro-Val-Gly- Val-Tyr-Pro-Asn-Gly-Ala-Glu-Asp-Glu-Ser-Ala-Glu- Ala-Phe-Pro-Leu-Glu-Phe) Minimum 97% (HPLC) Ref.: 1. Sieber, P., et al., Helv. Chim. Acta, 55, 1243 (1972). 2. Yamashiro, D. and Li, C., J. Amer. Chem. Soc., 95, 1310 (1973). (1227-41-3) FW 4541.1	100 µg 274000 500 µg 901000 1 mg 1547000	A 0298 ECS Fragment 1-24 (Ser-Tyr-Ser-Met-Glu-His-Phe- Arg-Trp-Gly-Lys-Pro-Val-Gly- Lys-Lys-Arg-Arg-Pro-Val-Gly- Val-Tyr-Pro) Minimum 97% (HPLC) Peptide content Approx. 70% Similar to A 8280, but produced by Sigma. Ref.: 1. Jacquet, Y.F., Science, 201, 1032 (1978). 2. Kappeler, H. and Schwyzer, R., Helv. Chim. Acta, 46, 1136 (1961). (15960-16-0) FW 2933.5	250 µg 129000 500 µg 213000 1 mg 956 0 5 mg 1174000
A 7075 ECS ECS	Rat (Ser-Tyr-Ser-Met-Glu-His-Phe- Arg-Trp-Gly-Lys-Pro-Val-Gly- Lys-Lys-Arg-Arg-Pro-Val-Gly- Val-Tyr-Pro-Asn-Val-Ala-Glu-Asp-Glu-Ser-Ala-Glu- Ala-Phe-Pro-Leu-Glu-Phe) Minimum 95% (HPLC) (77465-10-2) FW 4582.2	100 µg 279000 500 µg 703000 1 mg 1168000	A 8280 ECS Fragment 1-24 (Ser-Tyr-Ser-Met-Glu-His-Phe- Arg-Trp-Gly-Lys-Pro-Val-Gly- Lys-Lys-Arg-Arg-Pro-Val-Gly- Val-Tyr-Pro) Minimum 97% (HPLC) Peptide content Approx. 70% (77773-00-7) FW 2899.4	250 µg 141000 500 µg 243000
ADRENOCORTICOTROPIC HORMONE FRAGMENTS Human		ADRENOCORTICOTROPIC HORMONE FRAGMENTS Human		
A 2782 ECS	Fragment 1-8 (Ser-Tyr-Ser-Met) Minimum 97% (HPLC) (17065-50-4) C ₆ H ₁₂ N ₄ O ₅ FW 486.5	500 µg 38000 1 mg 61000 5 mg 242000	A 0526 ECS (Met(O ⁺)-Lys ⁺ -Phe ⁺ -Fragment 4-9 (Met(O ⁺)-Glu-His-Phe-Lys-Phe) Minimum 95% (HPLC) Ref.: Van Riesen, V.N. and Ruster, M., Arzneim.- Forsch., 28, 1294 (1978). (50913-23-4) C ₂₄ H ₃₆ N ₁₀ O ₁₅ FW 854	500 µg 35000 1 mg 57000 5 mg 210000
A 1709 ECS	Fragment 1-10 (Ser-Tyr-Ser-Met-Glu-His-Phe-Arg- Trp-Gly) Minimum 97% (HPLC) (2771-05-1) FW 1289.4	1 mg 66000 5 mg 242000	A 7181 ECS Tyr-Fragment 4-9 (Tyr-Met-Glu-His-Phe-Arg-Trp) Minimum 97% (HPLC) (729813-57-4) FW 1068.2	500 µg 61000 1 mg 102000 5 mg 338000
A 5555 ECS	Fragment 1-13 (Ser-Tyr-Ser-Met-Glu-His-Phe- Arg-Trp-Gly-Lys-Pro-Val) Minimum 97% (HPLC) (22006-64-0) FW 1623.8	100 µg 52000 500 µg 172000 1 mg 285000	A 0401 ECS Fragment 4-10 (Met-Glu-His-Phe-Arg-Trp-Gly) Minimum 97% (HPLC) Ref.: 1. Wollhaas, O.L. and DeWied, D., Pharmacol. Biochem. Behav., 4, 273 (1978). 2. Groven, H.M. and DeWied, D., Eur. J. Pharmacol., 2, 14 (1967). (4037-01-2) C ₂₄ H ₃₆ N ₁₀ O ₁₅ FW 962.1	500 µg 45000 1 mg 74000 5 mg 261000
A 5804 ECS	Fragment 1-14 (Ser-Tyr-Ser-Met-Glu-His-Phe- Arg-Trp-Gly-Lys-Pro-Val-Gly) Minimum 95% (HPLC) (2771-05-1) FW 1680.9	100 µg 52000 500 µg 172000 1 mg 285000	A 9054 ECS Tyr-Fragment 4-10 (Tyr-Met-Glu-His-Phe-Arg-Trp-Gly) Minimum 90% (HPLC) (12137-17-9) FW 1125.3	1 mg 128000 5 mg 473000
A 8929 ECS	Fragment 1-16 (Ser-Tyr-Ser-Met-Glu-His-Phe- Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys- Lys) Minimum 97% (HPLC) (1576-42-1) FW 1837.2	100 µg 38000 500 µg 125000 1 mg 206000	A 7056 ECS Fragment 4-11 (Met-Glu-His-Phe-Arg-Trp-Gly- Lys) Minimum 97% (HPLC) (6782-41-3) FW 1090.3	500 µg 79000 1 mg 130000 5 mg 483000
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